

Notice of Allowability

Application No.

09/713,843

Examiner

Namitha Pillai

Applicant(s)

BERG ET AL.

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 9/24/07.
2. ☒ The allowed claim(s) is/are 67-70 and 74-79.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: An amendment has been made to claim 1 to correct a spelling error.

67. (Currently amended) A method of processing user criteria to retrieve a portion of data and display it to the user, the method comprising the steps of:

issuing a request for an application program, over a network communication session, from a client computer to a server computer, the application program being a server applet;

returning a datafile containing the application program from the server computer to the client computer;

initiating execution of the application program on the client computer;

communicating data criteria, specified by the user, from the application program to the server computer;

on the server computer, constructing one or more data objects that represent the data subset specified by the data criteria, and communicating the objects to the application program; and

on the client computer via the application program, displaying the data subset in a display defined by a two-dimensional field array of information, wherein the field array of the display is divided into a plurality of two-dimensional bounded field areas, one or more of which has a display area that is indicative of a grouping criterion of the data subset, wherein the grouping criterion is user-selectable, and wherein the area of one or more bounded ~~field~~ field areas is further divided into one or more subfield areas, one or more of which has an area that is indicative of a second data criterion of data subset, wherein the second data criterion is user-selectable;

wherein the one or more subfield areas are displayed with a color value via an algorithm comprising the steps of:

computing first color values for the one or more subfield areas, wherein the first color values are based on values of a dimension for associated data elements of the one or more subfield areas;

computing, for one or more of the first color values, second color values as logarithms of the first color values;

calculating mean and standard deviation of the second color values;

setting an upper and a lower limit for a set of final color values for the one or more subfield areas;

computing final color values by normalizing the second color values to numbers between zero and one, wherein zero corresponds to the lower limit and one corresponds to the upper limit; and

assigning color values to the one or more subfield areas based on the final color values and displaying the assigned color values.

Response to Amendment

2. The Examiner acknowledges Applicant's submission on 9/24/07 including the cancellation of claim 71. Claims 67-70 and 74-79 are allowed.

Allowable Subject Matter

3. Claims 67-70 and 74-79 are allowed.

4. The following is an examiner's statement of reasons for allowance: The previously indicated allowable subject matter of claim 73 has been added to independent claim 67. The reasons for allowance of claims 73 and 77 have been included in the Office action mailed 2/24/06.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Responses to this action should be submitted as per the options cited below: The United States Patent and Trademark Office requires most patent related

correspondence to be: a) faxed to the Central Fax number (571-273-8300) b) hand carried or delivered to the Customer Service Window (located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), c) mailed to the mailing address set forth in 37 CFR 1.1 (e.g., P.O. Box 1450, Alexandria, VA 22313-1450), or d) transmitted to the Office using the Office's Electronic Filing System.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Namitha Pillai whose telephone number is (571) 272-4054. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048.

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

Art Unit: 2173

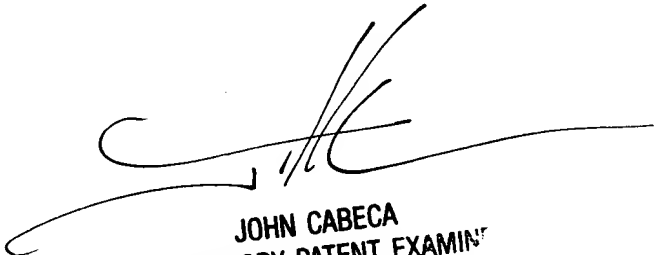
published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Namitha Pillai
Patent Examiner
Art Unit 2173
October 3, 2007



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100